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(54) Title: A METHOD AND AN ARRANGEMENT FOR SUPPORTING VERTICALLY DEPENDING ELECTRICAL RESIS-  
TANCE ELEMENTS.

(57) Abstract: The present invention relates to a method of supporting vertically hanging electrical resistance elements for heating furnaces or ovens in industrial operation, wherein each element comprises current conducting legs (6) that run downwards and up-  
wards a number of times, wherein the resistance element (1) includes along its length a number of ceramic discs (8) that are provided  
with through-penetrating holes through which respective element legs extend, wherein the upper part of said element merges with  
terminals (5a, 5b) that are connected to a source of electric current, and wherein said element is supported by at least one of the  
uppermost ceramic discs. The invention is characterised in that the uppermost ceramic disc or the uppermost ceramic discs (10, 11)  
supporting said element is/are placed in the insulation (3) of the furnace roof (2) above the underside (15) of said roof; and in that  
legs (6) of the element are caused to be short circuited at a location slightly or somewhat beneath the underside (15) of said furnace  
roof with the aid of short circuiting plates (7).